

S/072/62/000/012/001/001

Effect of some oxides on the reduction... B101/B144

glass with the radius of the alkali ion is explained by the glass structure being loosened as the alkali ion radius increases, which favors the diffusion of hydrogen and polarization of oxygen, thus reducing Si-O-Si bond is reduced. There are 3 figures. The most important English-language reference is: W. Weyl, E. Marboe, Glass Industry, 1961, v. 42, no. 4.

ASSOCIATION: MKhTI imeni D. I. Mendeleyeva. (MKhTI imeni D. I. Mendeleyev) (I. I. Kitaygorodskiy); Nauchno-issledovatel'skiy institut elektrotekhnicheskogo stekla (Scientific Research Institute of Electrotechnical Glass) (Ye. A. Faynberg, L. A. Grechanik)

✓

Card 3/3

45602  
S/080/63/036/001/008/026  
D226/D308

15.2640

AUTHORS:

Grechanik, L.A., Faynberg, Ye. A., and  
Zertsalova, I.N.

TITLE:

Electroconductivity of glasses in the system  
 $\text{Na}_2\text{O}-\text{PbO}-\text{SiO}_2$

PERIODICAL:

Zhurnal prikladnoy khimii, v. 36, no. 1,  
1963, 91 - 94

TEXT:

The specific conductivity per unit volume was measured at 100-400°C in glasses of the above system, for compositions 35-70 mol.%  $\text{SiO}_2$  and 0-20 mol.%  $\text{Na}_2\text{O}$ , in an effort to produce a unified picture of the conductivity in these glasses. The specimens were prepared by fusing pure materials in Pt or quartz crucibles: electric resistance was measured on discs 45 mm in dia and 1-1.5 mm thick, with graphite electrodes, with a reproducibility of 15 - 20%. The plot of  $\log \rho_{200^\circ}$  (where  $\rho_{200^\circ}$  is the resistance at 200°C) against molar %  $\text{Na}_2\text{O}$  showed that in general  $\log \rho_{200^\circ}$  remained essentially steady, or even increased.

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3/080/63/036/001/008/026  
Electroconductivity of glasses ... D226/D308

for small additions of  $\text{Na}_2\text{O}$  replacing  $\text{PbO}$ , but decreased sharply when the  $\text{Na}_2\text{O}$  was raised from 12 - 50%. Also,  $\log \rho_{200^\circ}$  tended to increase up to a point with increasing  $\text{PbO}$ , for  $\text{Na}_2\text{O}$  contents of 6-35%; for a constant  $\text{PbO}$  content,  $\log \rho_{200^\circ}$  remained essentially unchanged for 0-12 mol.%  $\text{Na}_2\text{O}$  and decreased rapidly as  $\text{Na}_2\text{O}$  was raised to 20-36%. The results are summarized on a ternary diagram. In  $\text{PbO-SiO}_2$  glasses the current is carried by  $\text{Pb}^{++}$ , whilst the current carriers in the ternary glasses are largely  $\text{Na}^+$ . Two composition fields exist, as defined by the lines of equal resistance; in one of these  $\text{Pb}$  ions are merely modifiers and in the other  $\text{Pb}$  ions may be incorporated in the  $\text{Si-O}$  lattice. This difference is ascribed to a change in the coordination number of  $\text{Pb}$ . There are 4 figures and 1 table.

ASSOCIATION: Nauchno-issledovatel'skiy institut elektrotekhnicheskogo stekla (Scientific Research Institute of Electrochemical Glass)

SUBMITTED: September 12, 1961  
Card 2/2

$$f_{\text{max}} = (f_{\text{WC}}) + (f_{\text{HPI}}) / \text{CMT}(\pi) / \text{EPA}(\text{cm}) + \text{EPA}(\text{cm}) + \text{EBC}(\pi) + \text{EBC}(\text{b}) - 2/$$

• 222 •

G.A. Paynberg, Ye.A.; Siptirov, I.V.; Gurevich, A.A.  
 Secondary electron emission of hydrogen reduced high-lead glasses with en-  
 ergy and activity. Report. Tenth Conference on Cathode Electronics held  
 13 Nov 1963

SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v.28, no.9, 1964, 1516-1521

TOPIC TAGS: secondary emission, electron multiplier, glass, lead oxide, hydrogen reduction

ABSTRACT: The secondary emission coefficients and other properties of hydrogen-reduced high-lead glasses with enhanced surface conductivity were measured in order to assess the suitability of the materials for use as electrodes in electron multipliers in which the dynodes are not equipotential surfaces. Lead-silicate glasses containing a large proportion of PbO and having resistivities of  $10^{11}$  to  $10^{12}$  ohm-cm at 200°C were reduced in hydrogen at 380 to 450°C for 4 to 5 hours. The surface conductivity of the resulting materials followed Ohm's law over a wide range of potential gradients, with surface resistivities from  $10^6$  to  $10^{10}$  ohm. The conductivity was

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L 12045-65

ACCESSION NR: AP4045312

stable against prolonged heating at 200°C and against brief heating at 400°C. The temperature coefficient of surface resistivity was 0.3 to 0.4 percent per degree centigrade. Secondary emission coefficients as great as 4.5 were obtained at room temperature for incident electron energies of approximately 300 eV; the secondary emission decreased rapidly with further increase of the primary electron energy. The maximum secondary emission coefficient decreased by approximately 15% when the temperature was raised from room temperature to 340°C, and the secondary emission for high energy primaries increased somewhat. Examination of the energy distribution of the secondary electrons with the aid of a retarding field disclosed the presence of a considerable number of negative energy secondaries, i.e., secondary electrons that would leave the target only under the influence of an accelerating field. It is suggested that a positive charge develops within the target where the glass is still a good insulator. The secondary emission coefficient was practically unaffected by storage in air for a year. The secondary emission from a specimen subjected to continuous bombardment at  $3 \times 10^{-5}$  A/cm<sup>2</sup> decreased by 30% during the first 30 hours, by another 11% during the succeeding 50 hours, and thereafter remained constant for the remainder of the 120 hour test. It is concluded that hydrogen-reduced lead-silicate glass is a promising material for use in electron multiplier of special design. Orig. art. has: 9 figures.

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0045 45

ACCESSION NR: AP4045312

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: NP, EC

NR REF SOV: 006

OTHER: 006

3/3

L 4950-66 EWT(1)/EWP(e)/EWT(m)/EWP(1)/I/EWP(b)/EWA(h) IJP(c) AI/WH

ACC NR: AP5025718

SOURCE CODE: UR/0286/65/000/018/0071/0071

AUTHORS: Faynberg, Ye. A.; Panovkina, V. I.

ORG: none

TITLE: Glass. Glass 32, No. 174780 [announced by State Scientific Research Institute for Electrovacuum Glass (Gosudarstvennyy nauchno-issledovatel'skiy institut elektrovakuumnogo stekla)]

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 18, 1965, 71

TOPIC TAGS: glass, semiconductive glass, conductivity glass

ABSTRACT: This Author Certificate describes a glass obtained on the basis of  $\text{SiO}_2$ ,  $\text{MnO}$ ,  $\text{Al}_2\text{O}_3$ , and  $\text{BaO}$ . To insure that objects made from this glass have a surface conductivity of  $10^4 - 10^9 \text{ ohm/cm}^2$ , the glass is heated in an oxidizing atmosphere. The composition of the glass in cation percent is:  $\text{SiO}_2$  40-60;  $\text{MnO}$  not exceeding 40;  $\text{Al}_2\text{O}_3$  not exceeding 20;  $\text{BaO}$  not exceeding 20;  $\text{CuO}$  5-15;  $\text{PbO}$  not exceeding 35; and  $\text{R}_2\text{O}$  not exceeding 10.

SUB CODE: MI/ SUBM DATE: 06Feb64

Card 1/1

UDC: 661.117.9

0901 1588

FAYNBERG, Ye.A.

Chemical composition of a phase reduced on the surface of  
high-lead glasses during their heat treatment in hydrogen.  
Zhur. prikl. khim. 38 no.10:2192-2196 0 '65. (MIRA 18:12)

1. Submitted Sept. 25, 1963.



KATK , Pavel Pavlovich; KOSTROV, Aleksey Ivanovich; FAYNBERG,  
Vofim Davidovich [deceased]; AIRUKH, E.G., inzh.  
retsenzent; IVÖCHKIN, V.F., inzh., retsenzent; SMIRNOV,  
V.I., nauchn. red.; SHAKHNOVA, V.M., red.

[Motorboats and launches made of plastics] Shliupki i ka-  
tera iz plastmass. Leningrad, Izd-vo "Sudostroenie,"  
1964. 263 p. (MIRA 17:6)

5(1)

AUTHORS:

Faynberg, Ye. D., Edel'shteyn, O. Ye.

SOV/64-59-2-6/23

TITLE:

On the Ways of Utilizing Fluorine-containing Waste Gases of the Phosphorus Fertilizer Industry (O putyakh ispol'zovaniya otkhodyashchikh ftorgazov fosfornotukovoy promyshlennosti)

PERIODICAL:

Khimicheskaya promyshlennost', 1959, Nr 2, pp 116-123 (USSR)

ABSTRACT:

The utilization of fluorine-containing gases which are obtained in the production of superphosphate is much more developed in the USSR than in the western countries. In this connection sodium fluosilicate (I) is produced. Owing to a reduced demand of (I) the preparation of (I) to sodium fluoride (II) (70-75% NaF) was started in 1956-1957 at the Odessa, Vinnitsa and Voskresensk Superphosphate Works. Since the utilization of (II) is equally limited, some information concerning this subject is given by mentioning the following investigations: investigations are carried out in 1956 at the Gosudarstvennyy institut stekla (State Institute of Glass) point to a possibility of applying (I) in glass melting. At present, however, (I) is used only in two glass works ("Krasnyy Oktyabr'" and Bytosh'). The efficiency of (I) in ore flotation was found at the Uralmekhanobraz and Krasnoural'skiy nedeplavil'nyy zavod (Krasnoural'sk Copper-melting Works), while work at the Giredmet

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On the Ways of Utilizing Fluorine-containing Waste Gases  
of the Phosphorus Fertilizer Industry

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deals with the application of (I) in extracting rare metals. Experimental investigations at the NIItsement, Giprotsement, and the Leningradskiy khimikotekhnologicheskii institut (Leningrad Chemico-technological Institute) prove the efficiency of (I) as a setting agent in the formation of cement. A series of research work was carried out on the production of other fluosilicates, salts for aluminum industry, as well as of (II) and potassium fluoride (III) from fluorine-containing waste gases of the phosphorus fertilizer industry. At the Institut biologii Ural'skogo filiala Akademii nauk SSSR (Institute of Biology of the Ural Branch of the Academy of Sciences of the USSR) positive results were obtained by applying ammonium fluosilicate (IV) as an antiseptic. Experiments made at the Institut novykh stroymaterialov Akademii nauk stroitel'stva i arkhitektury SSSR (Institute for New Building Materials of the Academy of Sciences of Building and Architecture of the USSR), as well as investigations carried out at the VNIIasbotsement showed the possibility of applying magnesium- and zinc- fluosilicate (V) and (VI) as agents for the treatment with fluosilicate. The possibility of producing (IV), (V), (VI), copper- and iron fluosilicate (VII) and (VIII) by neutralizing fluosilicic

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of the Phosphorus Fertilizer Industry

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acid (FSA) with the corresponding reagents was found in 1947-1949 at the UNIKhim and tested on a semi-industrial scale (for (IV)) at the Vinnitsa works in 1951. Experiments concerning the production of (IV) were made also at the NIUIF, 1957-1958. At the Rzhaskiy superfosfatnyy zavod (Riga Superphosphate Works) the (I)-production was adapted to the production of (IV). In 1939-1940 laboratory investigations were made at the GIPKh for the production of aluminum fluoride (IX) according to the ammonia method; the problem of producing (IX), however, was solved at the UNIKhim in 1953-1954 and the Krasnoural'skiy superfosfatnyy zavod (Krasnoural'sk Superphosphate Works) in 1957-1958 after a reaction of (FSA) with aluminum hydroxide. Cryolite (X) was produced from waste gases according to 3 methods: carbonization-, ammonia- and UNIKhim-method. Investigations dealing with the first method were carried out at the VAMI (1935-1939) and the NIUIF (1951-1955), as well as until 1941 (by roasting (I)) at the Dnepropetrovskiy alyuminiyevyy zavod (Dnepropetrovsk Aluminum Works). The second method was tested at the laboratories of the GIPKh, experiments, however, are not yet finished. The best of these three methods is that devised by the UNIKhim (1953-1954), which was tested at the

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On the Ways of Utilizing Fluorine-containing Waste Gases of SOV/64-59-2-6/23  
the Phosphorus Fertilizer Industry

Krasnoural'sk Works on a semi-industrial scale and completed and applied on industrial scale at the Odessa works. It is based on the reaction of the aluminum fluoride solution with (II). The production of high-per-cent calcium fluoride (XI) was tested according to a reaction scheme by A. G. Pavlovich at the NIOkhim in 1955, and according to the ammonia method at the NIUIF in 1957. Both methods, however, are rather complicated. At the NIUIF a method of producing low-per-cent (XI) was devised. This method should be applied at the Sumskiy superfosfatnyy zavod (Sumy Superphosphate Works) since its waste gases have the necessary composition. The dissociation method tested by the NIUIF on a semi-industrial scale at the zavod im. Voykova (Works imeni Voykov) in 1949-1951 was the first method to be applied in the production of (II) from (I) in the USSR. In 1950-1954, the thermal soda method was introduced at the department of the works which is now shut down. Since the production of (II) by these works has been stopped. (II) is produced by the Vinnitsa, Odessa, and Voskresensk Works according to the suspension method devised by the NIUIF. Experiments concerning mechanical enrichment of dry (II) at the VKhK proved unsuccessful. Experiments were made at the UNIKhim

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in 1938-1939 and at the Polevskoy kriolitovyy zavod (Polevskoy Cryolite Works), in 1952, which dealt with the purification of (II), without being introduced into practice. At the UNIkhim (1934-36), VKhK (1952-53) and at the Odessa Works in the course of the last years the so-called caustic method of enrichment of (II) was tested. In the last years experiments were also made at the UNIkhim and the Odessa Works concerning the separation of the (II)-suspension by means of a "hydrocyclone". Experiments of salting out (II) from the solution were made at the NIUIF in 1953, while the ammonia method for producing (II) was tested at the GIPKh in 1936-41. The potash method is regarded as the most expedient method for producing (II), it was devised by the NIUIF and the NIikhp MMP RSFSR and examined in 1949-1952 in the laboratory, in 1953 on industrial scale at the Armavirskiy zavod MMP RSFSR (Armavir Works MMP RSFSR) and semi-industrially at the NIUIF test plant in 1955. According to the above explanations the preparation of fluorine-containing gases of the phosphorus fertilizer industry into salt for the aluminum industry is possible. As to the utilization of kieselguhr, reference is made to investigations carried out at the Voskresenskiy khimicheskiy Kombinat (Voskresensk Chemical Kombinat)

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On the Ways of Utilizing Fluorine-containing Waste Gases of the Phosphorus Fertilizer Industry SOV/64-59-2-6/23

in 1957-1958, where a product called "belaks" was obtained which may be used instead of the expensive "white carbon black". The production was taken up at the khimkombinat Maardu (Chemical Kombinat Maardu). There are 4 references.

Card 6/6

FAYNBERG, Ye.D.

Prospects for the reconditioning of pickling solutions  
and use of the iron sulfate in the national economy.

Stal' 23 no.2:179-180 F '63.

(MIRA 16:2)

1. Leningradskoye otdeleniye Gosudarstvennogo instituta po  
proyektirovaniyu zavodov osnovnoy khimicheskoy promyshlennosti.  
(Metals—Pickling)  
(Iron sulfate)



*FAYNBERG, YE.*

PHASE I BOOK EXPLOITATION

SOV/4303

Frunze. Universitet. Nauchnoye studencheskoye obshchestvo

Sbornik nauchnykh rabot studentov, vyp. 2 (Collection of Scientific Works of Students, No. 2) Frunze, 1959. 99 p. 500 copies printed.

Sponsoring Agency: Kirgizskiy gosudarstvennyy universitet. Nauchnoye studencheskoye obshchestvo.

Resp. Ed.: L. A. Spektorov, Docent; Tech. Ed.: N. A. Yefimov.

PURPOSE: This book is intended for mathematicians, natural scientists, and philologists.

COVERAGE: The collection of articles contains studies in mathematics and mechanics, physics, biology, and philology written by members of the Nauchnoye studencheskoye obshchestvo (Students' Scientific Association) of Kirgizskiy gosudarstvennyy universitet (Kirgiz State University) under the guidance of faculty members. References accompany each article.

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Collection of Scientific Works (Cont.)

SOV/4303

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PHYSICS

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~~Card 2/6~~

FAYNBERG, Ye. F.

GESSEN, Viktor Yul'yevich, laureat Stalinskoy premii, kandidat tekhnicheskikh nauk; FAYNBERG, Ye. F., redaktor; VODOLAGINA, S.D., tekhnicheskiiy redaktor; CHUMAYEVA, Z.V., tekhnicheskiiy redaktor

[Breakdowns and their prevention in electric systems serving agricultural purposes] Avariiye rezhimy i zashchita ot nikh v elektricheskikh setiakh sel'skokhoziaistvennogo naznacheniia. Moskva, Gos. izd-vo selkhoz. lit-ry, 1955. 365 p. (MIRA 9:3)  
(Electricity in agriculture)

KHASHCHINSKIY, Viktor Petrovich, professor; ULITOVSKIY, Boris Alekseyevich, inzhener; FAYNBERG, Ye.F., redaktor; LUR'YE, A.B., redaktor; VODOLAGINA, S.D., tekhnicheskii redaktor.

[Small rural electric power plants operating on heat power] Sel'skie teplosilovye ustanovki maloi moshchnosti. Pod red. V.P. Khashchinskogo. Moskva, Gos.izd-vo sel'khoz. lit-ry, 1956. 118 p. (MLRA 9:6)  
(Electric power plants)

KHASHCHINSKIY, Viktor Petrovich; SHUSTOV, Vyacheslav Aleksandrovich;  
FAYNBERG, Ye.F., redaktor; MOLODTSOVA, N.G., tekhnicheskiy redaktor

[Electricity and its use in agriculture] Elektrichestvo i ego  
primenenie v sel'skom khoziaistve. Izd. 2-oe, ispr. i dop. Moskva,  
Gos.izd-vo selkhoz. lit-ry, 1956. 154 p. (MLRA 9:11)  
(Electricity in agriculture)

ORANSKIY, Mikhail Iosifovich; STRELKOVSKIY, Sergey Aleksandrovich;  
FAYNBERG, Ye.F., red.; MOLODTSOVA, N.G., tekhn.red.

[Operating of low-pressure rural hydroelectric power stations]  
Reshiny raboty niskonapornykh sel'skikh GES. Moskva, Gos.izd-vo  
sel'khoz.lit-ry, 1957. 220 p. (MIRA 10:12)  
(Hydroelectric power stations)

~~INDEXED~~  
RUDAKOV, Viktor Vasil'yevich, kandidat tekhnicheskikh nauk; KOMPANEYETS, Vladimir Yakovlevich, kandidat tekhnicheskikh nauk; PROZOROV, Valentin Alekseyevich, inzhener; MERKUCHEV, Dmitriy Antonovich, inzhener; SHUSTOV, V.A., dotsent, redaktor; ~~FAYNBERG, Ye.F.~~, redaktor; MOLODTSOVA, N.G., tekhnicheskii redaktor

[Electric machines and automobile and tractor electric equipment]  
Elektricheskie mashiny i avtotraktornoe elektrooborudovanie. Pod  
obshchei red. V.A.Shustova i V.V.Rudakova. Moskva, Gos. izd-vo  
sel'khoz. lit-ry, 1957. 302 p. (MLRA 10:6)

(Electric machines)

(Tractors--Electric equipment)

(Automobiles--Electric equipment)

KOVCHIN, Sergey Aleksandrovich; MERKUCHEV, Dmitriy Antonovich; RUJAKOV, Viktor Vasil'yevich; SHUSTOV, V.A., dotsent, red.; ~~PAYNBERG~~, Ye.P., red.; MOLODTSOVA, N.G., tekhn.red.

[Use of electric power in agriculture; laboratory studies]  
Primenenie elektricheskoi energii v sel'skom khozsisiatve;  
laboratorno-prakticheskie raboty. Pod red. V.A. Shustova.  
Moskva, Gos. izd-vo sel'khoz. lit-ry, 1958. 228 p. (MIRA 12:2)  
(Electricity in agriculture)



FAYNBERG, YE. I.

Transactions of the 6th Conf. on Probability Theory and Mathematical Statistics and of the Symposium on Distributions in Infinite-Dimensional Spaces held in Vil'nyus, 5-10 Sep '60. Vil'nyus Gospolitizdat Lit SSR, 1962. 493 p. 2500 copies printed

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Card 12/17

FAYNBERG, Ye.R.

Three-dimensional problem of the motion of a cold air layer over mountains which are small compared to the thickness of the layer. Dokl. AN SSSR 147 no.2:357-359 N '62.

(MIRA 15:11)

1. Institut fiziki, matematiki i mekhaniki AN Kirgizskoy SSR. Predstavleno akademikom A.A. Dorodnitsynym.  
(Atmosphere) (Mountains)

FAYNBERG, Ye.R.

Solving the problem of the effect of hills on the steady movement  
of a cold layer of air. Izv. AN SSSR. Ser. geofiz. no.9:1417-1422  
S '63. (MIRA 16:10)

1. Kirgizskiy gosudarstvennyy universitet.

FAYNBERG, Ye.R. [deceased]

Flow of cold air around elevations and valleys. Izv. AN SSSR.  
Fiz. atm. i okeana 1 no.5:546-549 My '65. (MIRA 18:8)

1. Institut fiziki i matematiki AN KirgSSR.

1 2 3 4 5 6 7 8 9 10 11 12  
FAYNBURG, Ye. Ye. I MALYEVA, B. I.

30368

Ochistka vodoroda I vodyanogo gaza rastvorami ztanodaminov (dlya  
gidrogyenizatsionnykh zavodov). Pishch. Prom-st'. SSSR, Vyp. 13,  
1949, S. 63-72.

SO: Letopis' No. 34



PHINDERS, I. E.

Exemplary computation of equipment (necessary) for the drying and refining of circulating hydrogen in hydrogenation industry. R. E. Fainberg. *Moskovo-Zhironaya Prom.* 19, No. 8, 13-17 (1954).—The computation of the app. for refrigeration (I), drying, and refining (II) of circulating H is described in the text and the diagrams of I and II are presented.

Vladimir N. Krukovsky

*Q*

*Faynberg, Ye. Ye.*  
TOVBIN, I.M., inzhener; FAYNBERG, Ye.Ye., inzhener.

For further reduction of losses in fat processing plants. Masl.-  
zhir.prom.21 no.7:6-7 '55. (MLRA 9:1)

1.Glavparfumer (for Tovbin).2.Giproshir (for Faynberg).  
(Oils and fats)



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APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000412520011-5"

USSR/Chemistry of High Molecular Substances.

F

Abs Jour : Referat. Zhurnal Khimiya, No 6, 1957, 19418.

Author : N.V. Mikhaylov, E.E. Faynberg.

Inst : -

Title : Concerning Phase State of Cellulose in Orientated Filaments.

Orig Pub : Dokl. AN SSSR, 1956, 109. No 6, 1160-1162.

Abstract : The heat of solution in the aqueous solution of a quaternary ammonium base of the type of  $(C_2H_5)_3(C_6H_5)NOH$  (concentration 34%) was determined for hydratecellulose filaments stretched to various degrees (from 0 to 120%). The heat of solution is between 34.3 and 35.8 cal/g. In view of the obtained data, the authors arrive at the conclusion that hydratecellulose filaments do not alter their phase state in the whole orientation interval from isotropic to highly orientated, and remain amorphous.

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USSR/Chemistry of High Molecular Substances.

F

Abs Jour : Referat. Zhurnal Khimiya, No 6, 1957, 19418.

The magnitudes of the heat of sulation of viscose filaments prepared by different methods and producing sharply different X-ray pictures are also very close one to another (35.97 - 37.29 cal/g), which indicates that their phase state does not depend on the conditions of filament formation.

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<sup>G</sup>  
FAYNBERG, Ye.Ye., inzhener; TOVBIN, I.M., inzhener.

Modern apparatus for continuous deodorizing of fats. Masl.-shir. prom.  
23 no.3:18-20 '57. (MIRA 10:4)

1. Giproshtir (for Faynberg). 2. Ministerstvo promyshlennosti prodovol'-  
stvennykh tovarov SSSR (for Tovbin).  
(Oils and fats)

*Faynberg Ye Ye.*

TOVBIN, I.M., inzh.; ~~FAYNBERG, Ye-Ye.~~, inzh.

Calculating the amount of ejector steam used in the deodorizing  
of fats. Masl.-shir. prom. 24 no.1:16-17 '58. (MIRA 11:3)

1. Gosplan SSSR (for Tovbin). 2. Giproshir (for Faynberg).  
(Oils and fats)

TOVBIN, Isaak Moiseyevich; FAYNBERG, Yevsey Yefimovich; BOROVY, L.F.,  
inzh., retsensent; KROKHIN, N.G., kand.tekhn.nauk, spetsred.;  
RASH, G.S., red.; SOKOLOVA, I.A., tekhn.red.

[Technological designing for fat processing enterprises;  
refining and hydrogenation of fats] Tekhnologicheskoe  
proektirovanie shirepererabatyvaiushchikh predpriatii;  
rafinatsiia i gidrogenisatsiia shirov. Moskva, Pishche-  
promisdat, 1959. 398 p. (MIRA 12:6)  
(Oils and fats)

FAYBERG, Ye.Ye., inzh.

Continuous rectification of natural fatty acids, Masl.-zhir.prom.

26 no.11:32-35 II '60.

(MIRA 13:11)

(Acids, Fatty)

FAYNBERG, Ye.Ye., inzh.

Continuous deodorization and refining of fats and the distillation of  
free fatty acids. Masl.-zhir.prom. 27 no.5:23-25 My '61.  
(MIRA 14:5)

1. Gosudarstvennyy institut po proyektirovaniyu masloboynoy, zhirovoy,  
mylovarennoy, parfyumernoy i margarinovoy promyshlennosti.  
(Oils and fats) (Acids, Fats) (Deodorization)



BOGOVOI, L.Ye., ~~inzh.~~ FAYNBERG, Ye.Ye., inzh.

Standard building plan for a synthetic cleaning compounds  
plant. Masl.-zhir. prom. 27 no.10:35-41 0 '61.

(MIRA 14:11)

1. Gosudarstvennyy institut po proyektirovaniyu masloboynoy,  
zhirovoy, myloverennoy, parfyumernoy i margarinovoy  
promyshlennosti.

(Cleaning compounds)

(Factories - Design and construction)

FAYNBERG, Ye.Ye.; BUKHARIN, V.V., spets. red.; KOLOSOVA, S.I., otv.  
red.; MANVELOVA, Ye.S., tekhn. red.

[Continuous distillation of glycerol] Nепreryvnaia distillatsiia  
glitserina. Moskva, TSINTipishcheprom, 1962. 30 p.

(MIRA 15:12)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po koordina-  
tsii nauchno-issledovatel'skikh rabot.

(Glycerol) (Distillation apparatus)

FAYNBERG, Ye.Ye., inzh.

Production of granulated powder in a spray-drying tower. Masl.-zhir.  
prom. 28 no.8:36-40 Ag '62. (MIRA 17:2)

1. Gosudarstvennyy institut po proyektirovaniyu masloboynoy, zhirovoy,  
mylovarennoy, parf'yumernoy i margarinovoy promyshlennosti.

RUDENSKIY, Lev Veniaminovich[deceased]; KHROMOY, Ruvim Samoylovich; LENKOV, Aleksandr Yakovlevich; FAYNBERG, Yuliy Konstantinovich; SALIT, Yevsey Solomonovich; KAUFMAN, Grigoriy Emmanuilovich; KHIZHINSKIY, Leonid Yakovlevich; KOMAROV, Vasilii Yefimovich; TSYRUL'NIKOV, Abram Iosifovich; ROZENTSVEYG, Ya.D., red.izd-va; MAIKHAYLOVA, V.V., tekhn. red.

[Study of materials] Materialovedenie. By L.V.Rudenskii i dr. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1961. 476 p. (MIRA 14:12)

(Materials)

1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									
PROCESSES AND PROPERTIES INDEX																			
<p><b>S</b></p> <p style="text-align: right;"><b>12</b></p> <p><b>Calibration Which Takes into Account Elastic Deformations and Their Experimental Investigation.</b> Yu. M. Faynberg. (Metallurg. 1939, No. 10-11, pp. 141-148). (In Russian). The author studies methods of determining the elastic deformation of rolls. He points out the need for taking into account all elastic deformations when setting the roll opening, the accuracy of which, particularly in continuous rolling, is of considerable importance. In view of the difficulty of accounting for all the elastic deformations of the rolls and stand by calculation, and in order to avoid the tediousness of accounting for them by trial-and-error methods, the author has developed a method for indirectly measuring these deformations by recording oscillographically the variations in the power requirements of the screw-down motors as the rolls are pressed down on to one another. Allowances are made for the power losses in the screw-down mechanism and for the pressure of the metal on the rolls in actual rolling.</p>																			
<p><b>ASB-11A METALLURGICAL LITERATURE CLASSIFICATION</b></p>																			
<p>ISSUED BY</p>										<p>ISSUED BY</p>									
<p>1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20</p>										<p>1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20</p>									

FAYNBERG, Yu. M.

PA 18<sup>A</sup>33

USSR/Iron - Metallurgy  
Metallurgy

May 1947

"Conditions of Establishing Tension for Rolling of  
Iron and Conditions of Speed," Yu. M. Faynberg, 4 pp

"Stal'" Vol VII, No 5

For rolling under tension it is important to establish  
stable conditions. When the first set of rollers  
operates at a high speed, it is necessary to increase  
speed of input of the metal into the last set of  
rollers at a speed corresponding to free-wheeling  
speed of the rollers.

18T33

FAYNBERG, YU. M.

FAYNBERG, YU. M.

Faynberg, Yu. M. defended his Doctor's dissertation in the Moscow Power Engineering Institute in Molotov, USSR, on 12 March 1948, for the academic degree of Doctor of Technical Sciences.

Dissertation: "Problems of the Electrification of Irreversible Cold-Rolling Mills. A Theory for Increasing Tension and Radically Increasing Productivity". Resume: Faynberg presented proof that raising rolling speeds and accelerations improves tension conditions and increases the mill's stability.

Official Opponents: Profs. A. I. Tselikov, Ye. V. Nitusov, and D. P. Morosov (Doctors of Technical Sciences).

SO: Elektrichestvo, No. 7, Moscow, August 1953, pp 87-92 (W/29844, 16 Apr 54)

FAYNBERG, Yu. M.

Cand. Technical Sci.

"Theoretical fundamentals of speed drawing with tension," Stal', No. 6, 1948



FAYNBERG, Yu. M.

Cand. Technical Sci.

"Forward flow and strain occurring during rolling at varying pressures," Stal', No. 9, 1948.

FAYNBERG, Yu.M., doktor tekhn.nauk

Determination of power factors in rolling. Obr.mat.davl. no.2:  
123-131 '53. (MIRA 12:10)

1. Trest Yuzhelektromontash.  
(Rolling mills--Electric driving)

u.

AID P - 2813

Subject : USSR/Electricity

Card 1/2 Pub. 27 - 2/30

Author : Paynberg, Yu. M., Doc. of Tech. Sci., Khar'kov

Title : ~~Parameters of the main electric drive circuit of~~  
continuous rolling mills

Periodical : Elektrichestvo, 6, 7-12, Je 1955.

Abstract : The author investigated the influence of the parameters of the main electric drive circuit and of the roll-drive motors upon the flow of transient phenomena. The motors were operated with an automatic system of electron-ionic speed regulation. The regulating processes were studied analytically and theoretical findings were verified with the experimental ones. This led the author to the formulation of general principles of selecting the characteristics of such motors. Six diagrams, 1 oscillogram, 1 Soviet reference (1948).

AID P - 2813

Elektrichestvo, 6, 7-12, Je 1955

Card 2/2      Pub. 27 - 2/30

Institution : Khar'kov Branch of the State Industrial Institute of  
the Trust for the Planning of Electric Power Plants  
for Heavy Industry (GPI Tyazhpromelektroproyekt)

Submitted : F 4, 1955

~~FAYNBERG~~, Yuliy Mironovich; ZELENNOV, Anatoliy Borisovich; PEREL'MUTER, M.M.,  
otvetstvennyy redaktor; ANDREYEV, S.P., tekhnicheskiy redaktor

[Controlling the electric drive of continuous hot rolling mills]  
Regulirovanie elektroprivoda nepreryvnykh stanov goriachei prokatki.  
Khar'kov, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi  
metallurgii, 1956. 239 p. (MLRA 9:12)  
(Rolling mills--Electric driving)

"APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000412520011-5

FRYBERG, Y.M.

APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000412520011-5"

"APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000412520011-5

in a numerical example, using a linear differential equation of the  
4th order, the conditions for the occurrence of shocks are determined  
in relation to the ...

APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000412520011-5"

PHASE I BOOK EXPLOITATION

SOV/4745

Faynberg, Yuliy Mironovich

Avtoregulirovaniye pri kholodnoy prokatke (Automatic Control in Cold Rolling)  
Khar'kov, Metallurgizdat, 1960. 188 p. Errata slip inserted. 4,300 copies  
printed.

Resp. Ed.: M. M. Perel'muter; Ed. of Publishing House: R. A. Belina; Tech. Ed.:  
S. P. Andreyev.

**PURPOSE:** This book is intended for technical and scientific workers and may  
also be useful to students studying automated electric drives, theory of  
control, metal rolling, and the construction of rolling-mill machinery.

**COVERAGE:** The author discusses the significance of process parameters and mechani-  
cal-equipment parameters in the automatic control of cold rolling mills. Gen-  
eral theoretical principles for selecting the characteristics of electric  
systems controlling the process of rolling with tension are reviewed. In ad-  
dition to physical and mathematical interpretations of phenomena, engineering

Card-1/8



Automatic Control in Cold (Cont.)

SOV/4745

methods for calculating control processes are presented and are illustrated by numerical examples. The author also reviews problems of interest to electrical engineers, process engineers and mechanical engineers engaged in operating, constructing, designing and studying rolling mills operating with tension. No personalities are mentioned. There are 73 references: 57 Soviet, 8 English, and 8 German.

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Ch. I. General Characteristics	9
1. Process parameters affecting the regulation of rolling with tension	9
2. The purpose of tension and the relationship between tension and forward slip	10
3. Classification of rolling regimes according to regulation conditions	12
Card 2/8	

FAYNBERG, Yu.M.; GULYAKIN, V.G.

Study of the operation of the rolling devices of blooming mills.  
Trudy KhPI 30 no.1:105-110 '60. (MIRA 14:9)  
(Rolling mills--Electric driving)

PEREL'MUTER, Moisey Matveyevich; FAYNBERG, Yu.M., otv. red.; SINYAVSKAYA,  
Ye.K., red. izd-va; ANDREYEV, S.P., tekhn. red.

[Electrical ore and coal loader equipment] Elektrooborudovanie rudno-  
ugol'nykh peregruzhatel'ei. Khar'kov, Gos. nauchno-tekhn. izd-vo lit-  
ry po chernoi i tsvetnoi metallurgii, 1961. 238 p. (MIRA 14:10)  
(Coal-handling machinery)

FAYNBERG, Yu.M., doktor tekhn.nauk; TESLENKO, V.P., kand.tekhn.nauk

Concerning the automatic control of electric drives with multiple motors. Elektrichestvo no.1:25-29 Ja '62. (MIRA 14:12)

1. Ukrainskiy gosudarstvennyy proyektnyy institut Tyazhpromelektropyekt.  
(Electric driving)  
(Automatic control)

FAYNBERG, Yuliy Mironovich; ZELENOV, A.B., red.; SHLEPOV, V.K.,  
red.12d-va; MIKHAYLOVA, V.V., tekhn. red.

[Automatic control of continuous hot rolling mills]  
Avtomatizatsiia nepreryvnykh stanov goriachei prokatki.  
Moskva, Metallurgizdat, 1963. 326 p. (MIRA 17:2)

FAYNBERG, Yu.M., doktor tekhn.nauk

Accuracy limit of tension regulators in rolling. Elektrichestvo  
no.4:93-95 Ap '63. (MIRA 16:5)  
(Rolling (Metalwork))

341  
42

FAYNBERG, Yu. M., doktor tekhn. nauk

Laws of tension changes in the rolling of flat shapes. Stal' 23  
no.8:733-734 Ag '63. (MIRA 16:9)

1. Ukrainskiy gosudarstvennyy institut po proyektirovaniyu  
elektrooborudovaniya dlya tyazheloy promyshlennosti.  
(Rolling (Metalwork))

*FAYNBERG, YU.S.*

SUBBOTNIK, S.I., professor; FAYNBERG, Yu.S.; SHPIL'BERG, P.I., doktor  
meditsinskikh nauk (Moskva)

Electroencephalographic studies on paroxysmal tachycardia. Terap.  
arkh. 26 no.3:10-17 My-Je '54. (MLRA 7:9)

(ELECTROENCEPHALOGRAPHY, in various diseases,  
\*tachycardia, paroxysmal)



SHFIL'BERG, P.I.; FAYNBERG, Yu.S.

Changes in the electroencephalogram and arousal reaction  
in old age. Fiziol. zhur. 49 no.1:16-23 Ja '63.  
(MIRA 17:2)

1. From the F.F. Erissman Research Institute of Hygiene  
and Railroad Psychoneurological Hospital, Moscow.

FERSHTUDT, I.I.; FAYNBERG, Z.L.

Make wider use of the new equipment. Tekst.prom. 21 no.5:27-30  
My '61. (MIRA 15:1)

(Spinning machinery)

RUSAKOV, A.K.; ROMANOV, Yu.G., konstruktor; FAYNBERG, Z.L.; CHATINA, Ye.M.,  
inzh.

Experience in spinning with by-passing of the roving process. Tekst.-  
prom. 21 no.5:43-48 My '61. (MIRA 15:1)

1. Nachal'nik spetsial'nogo konstruktorskogo tyuro legkoy promy-  
shlennosti Lensovnarkhoza (for Rusakov).  
(Spinning machinery)

FAYNBLIT, A., inzhener.

Machine for moistening grain by means of hot steam. Muk.-elev.  
prom. 22 no.1:21 Ja '56. (MLRA 9:5)

1. Irkutskiy trest Glavmuki.  
(Grain milling)

FAYNBLIT, A., inzhener; BRUKHIS, P., inzhener.

Determining the productive capacity of feed mills. Muk.-elev.prom.  
22 no.6:15-16 Ja '56. (MIRA 9:9)

1.Irkutskiy trest Glavmuki (for Faynblit).2.Irkutskiy kombikormovyy  
zavod (for Brukhis).  
(Feed mills)

FAYNELIT, A., inzh.

Productive capacity of the VISKHOM grain dryer has been raised.  
Muk.-elev. prem. 24 no.12:26 D '58. (MIRA 12:1)

1.Irkutskoye upravleniye khleboproduktov.  
(Grain--Drying)

FAYNBLIT, A.

Increased capacity of the grain elevator of the Irkutsk Milling Combine  
No. 5. Muk.-elev. prom. 27 no.6:7-8 Je '61. (MIRA 14:6)

1. Glavnyy inzhener Irkutskogo upravleniya zagotovok.  
(Irkutsk—Grain elevators)

NEVEZHIN, M.; FAYNBLIT, A.

Drying and mechanical ventilation of grain at grain receiving  
stations of Irkutsk Province. Muk.-elev. prom. 26 no.6:10 Je  
'60. (MIRA 13:12)

1. Nachal'nik Irkutskogo upravleniya khleboproduktov (for Nevezhin).
2. Glavnyy inzhener Irkutskogo upravleniya khleboproduktov (for  
Faynblit).

(Irkutsk Province--Grain--Drying)



.. FAYNBLIT, A., inzh.

Reconstruction of the intake equipment of a grain drying and  
cleaning tower. Muk.-elev.prom. 27 no.12:12 D '61. (MIRA 15:2)

1. Irkutskoye upravleniye zagotovok.  
(Grain-handling machinery)

**ПАЙНБЛУТ, Б.**

How we plan production. Obshchestv.pit. no.10:42 0 '59.  
(MIRA 13:4)

1.Zaveduyushchiy uchebnoy chast'yu Khar'kovskoy shkoly  
kulinarnogo uchenichestva.  
(Kharkov--Cooking school)

FAYNBOYM, Iosef Borisovich; KONFEDERATOV, I.Ya., redaktor; SKVORTSOV,  
I.M., tekhnicheskij redaktor

[Ivan Gavrilovich Aleksandrov] Ivan Gavrilovich Aleksandrov. Mo-  
skva, Gos. energ. izd-vo, 1955. 135 p. (MIRA 8:7)  
(Aleksandrov, Ivan Gavrilovich, 1875-1936)

FEYNBOYM, Iosif Borisovich; VINTER, A.V., akademik, redaktor; KONFEDERATOV,  
I.Ya., redaktor; VORONIN, K.P., tekhnicheskij redaktor

Boris Evgen'evich Vedenev. Pod red. A.V.Vintera. Moskva, Gos.energ.  
1st-vo, 1956. 71 p. (MLRA 9:7)  
(VEDENEV, BORIS EVGEN'EVICH, 1885-1946)

KHALATNIKOV, Isaak Markovich, doktor fiz.-matem. nauk, prof.;  
FAYNBOYM, I.B., red.

[Quantum liquids] Kvantovye zhidkosti. Moskva, Izd-vo  
"Znanie," 1965. 15 p. (Novoe v zhizni, nauke, tekhnike.  
IX Seriya: Fizika, matematika, astronomiia, no.4)  
(MIRA 18:3)

*FAYNBOYM I. B.*

DIRAK, Pol', [Dirac, Paul] chlen Angliyskogo korolevskogo obshchestva,  
prof.fiziki; FAYNBOYM, I.B., red.; GUBIN, M.I., tekhn.red.

[Electrons and vacuum] Elektrony i vakuum. Moskva, Izd-vo  
"Znanie," 1957. 15 p. (Vsesoiuznoe obshchestvo po rasprostraneniui  
politicheskikh i nauchnykh znani. Ser.8, no.37) (MIRA 10:12)

1. Kembridzhskiy universitet (for Dirac).  
(Electrons) (Vacuum)

PSHEZHETSKIY, Samuil Yakovlevich, doktor khim.nauk, prof.; FAYNBOYM, I.B.,  
red.; GUBIN, M.I., tekhn.red.

[Using nuclear energy for chemical processes] Ispol'zovanie  
iadernoi energii dlia khimicheskikh protsessov. Moskva, Izd-vo  
"Znanie," 1957. 30 p. (Vsesoiuznoe obshchestvo po rasprostraneniui  
politicheskikh i nauchnykh znani. Ser.8, no.47) (MIRA 11:1)  
(Radiochemistry) (Chemistry)

*MIRA BOM, I.B.*  
FORTUSHENKO, Aleksandr Dmitriyevich, kand.tekhn.nauk; FAYNBOYM, I.B.,  
red.; GUBIN, M.I., tekhn.red.

[Development of the means of communication in the U.S.S.R.  
during the past 40 years] Razvitie sredstv svyazi v SSSR za  
40 let. Moskva, Izd-vo "Znanie," 1957. 31 p. (Vsesoiuznoe  
obshchestvo po rasprostranenniu politicheskikh i nauchnykh  
znaniy. Ser.4, no.35) (MIRA 11:1)  
(Telecommunication)



TERMININ, A.N., akademik; ~~FAYNBOYM, I.B.~~, redakter; GUBIN, M.I., tekhnicheskii redakter.

[Transformation of light energy] Prevrashcheniia energii sveta. Izd. 2-oe, perer. Moskva, Izd-vo "Znanie," 1957. 20 p. (Vsesoiuznoe obshchestvo po rasprostraneniuiu politicheskikh i nauchnykh snanii. Ser. 8, no.12) (MLRA 10:4)  
(Light)

ЛЕПЕШКОВ, Иван Никонovich; ПАЙНБОЙМ, I.B., редактор; ГУБИН, M.I.,  
tekhnicheskiy redaktor

[Natural salts and their significance for the national economy]  
Prirodnye soli i ikh znachenie v narodnom khoziaistve. Moskva.,  
Izd-vo "Znanie," 1957. 28 p. (Vsesoiuznoe obshchestvo po  
rasprostraneniuiu politicheskikh i nauchnykh znani. Ser. 8, no.1)  
(MIRA 10:4)

(Salts)

RABINOVICH, Matvey Samsonovich, doktor fiziko-matematicheskikh nauk;  
FAYNBAYM, I.B., redaktor; GUBIN, M.I., tekhnicheskiiy redaktor

[Particle accelerators] Uskoriteli zaryazhennykh chastits.  
Moskva, Izd-vo "Znanie," 1957. 45 p. (Vsesoyuznoe obshchestvo  
po rasprostraneniyu politicheskikh i nauchnykh znaniy. Ser.8,  
nos. 5/6) (MLRA 10:3)  
(Particle accelerators)

*I n t e r n a t i o n a l*  
SEMENOV, Nikolay Nikolayevich, akademik, laureat Nobelevskoy premii;  
FAYNBAYM, I.B., redaktor; GUBIN, M.I., tekhnicheskij redaktor

[Chain reactions and the theory of combustion] O tsepnykh  
reaktsiyakh i teorii goreniya. Moskva, Izd-vo "Znanie," 1957.  
30 p. (Vsesoyuznoe obshchestvo po rasprostraneniyu politicheskikh  
i nauchnykh znaniy. Ser.8, no.17) (MLRA 10:6)  
(Chemical reactions) (Combustion, Theory of)

FAYNBLYUM, Ya.; BALMUSOV, V.; KARAYEV, G., instruktor fizicheskogo  
vospitaniya; NOSOV, A.

News from school. Prof.-tech. sch. 19 no.2:32,3 of cover  
F 162 (MIRA 15:2)  
(Vocational education)

GAMBURG, David Yudovich, kandidat khimicheskikh nauk; FAYNBOYM, I.B.  
redaktor; GUBIN, M.I., tekhnicheskly redaktor.

[Chemistry and the progress of engineering] Khimiia i progress  
tekhniki. Moskva, Izd-vo "Znanie," 1957. 23 p. (Vsesoiuznoe  
obshchestvo po rasprostraneniuiu politicheskikh i nauchnykh znanii.  
Ser.4, no.26) (MLRA 10:11)

(Chemistry)

CHISTYAKOV, Nikolay Iosafovich, doktor tekhnicheskikh nauk, professor;  
PAYNBOYM, I.B., redaktor; GUBIN, M.I., tekhnicheskii redaktor

[Use of semiconductors in engineering] Primenenie poluprovodnikov  
v tekhnike. Moskva, Izd-vo "Znanie," 1957. 31 p. (Vsesoiuznoe  
obshchestvo po rasprostraneniю politicheskikh i nauchnykh znaniy.  
Ser.4, no.15) (MLRA 10:7)  
(Semiconductors)

*Faynboym I.B.*  
NEYMAN, Moisey Borisovich, doktor khim.nauk, prof.; FAYNBOYM, I.B., red.;  
GUBIN, M.I., tekhn.red.

[Chemistry in nuclear engineering] Khimiia v atomnoi tekhnike.  
Moskva, Izd-vo "Znanie," 1957. 31 p. (Vsesoiuznoe obshchestvo po  
rasprostraneniu politicheskikh i nauchnykh znani Ser.4, no.30)  
(MIRA 11:1)

(Nuclear reactors--Materials)



*Appendix, I. B.*

ABRIKOSOV, Aleksey Alekseyevich, doktor fiziko-matematicheskikh nauk;  
KHALATNIKOV, Issak Markovich, doktor fiziko-matematicheskikh  
nauk, professor; FAYNBOYM. I.B., redaktor; GUBIN, M.I., tekhnicheskii redaktor

[Newly discovered properties of elementary particles] Novye svoystva  
elementarnykh chastits. Moskva, Izd-vo "Znanie," 1957. 15 p. (Vsesoiuznoe obshchestvo po rasprostraneniю politicheskikh i nauchnykh  
znanii. Ser.8, no.20) (MLRA 10:7)  
(Particles, Elementary)

FAYNBOYM, I.B.

BEN'KOVSKIY, Vasily Grigor'yevich, doktor tekhnicheskikh nauk, professor;  
FAYNBOYM, I.B., redaktor; GUBIN, M.I., tekhnicheskij redaktor

[Use of radioactive radiation in the petroleum industry] Ispol'so-  
vanie radioaktivnykh izlucheni v neftianoi promyshlennosti. Moskva.  
Izd-vo "Znanie," 1957. 20 p. (Vsesoyuznoe obshchestvo po rasprostra-  
nieniu politicheskikh i nauchnykh znani. Ser.4, no.13) (MIRA 10:8)  
(Radioisotopes--Industrial applications)  
(Petroleum engineering)

GUREVICH, Lev Emmanuilovich, doktor fiziko-matematicheskikh nauk, professor;  
FAYNBOYM, I.B., redaktor; GUBIN, M.I., tekhnicheskii redaktor

[Theory of relativity; basic ideas and deductions from the specific  
theory of relativity] Teoriia otnositel'nosti; osnovnye poniatiia  
i vyvody chastnoi teorii otnositel'nosti. Moskva, Izd-vo "Znanie."  
1957. 36 p. (Vsesoiuznoe obshchestvo po rasprostraneniю politiche-  
skikh i nauchnykh snanii. Ser.8, no.18) (MIRA 10:7)  
(Relativity (Physics))

KRASIN, Andrey Kapitonovich, doktor fiziko-matematicheskikh nauk; FAYNBOYM,  
I.B., redaktor; GUBIN, M.I., tekhnicheskij redaktor.

[Nuclear power reactors] Energeticheskie iadrenye reaktory. Moskva,  
Izd-vo "Znanie," 1957 36 p. (Vsesoiuznoe obshchestvo po rasprostra-  
neniiu politicheskikh i nauchnykh znani. Ser. 8, no.4) (MLRA 10:3)  
(Nuclear reactors)

*FAYNBOYM, I.B.*

POKROVSKIY, Georgiy Iosifovich, general-mayor, doktor tekhn. nauk;  
FAYNBOYM, I.B., redaktor; GUBIN, M.I., tekhnicheskiy redaktor.

[The role of science and technology in modern war] Rol' nauki i  
tekhniki v sovremennoi voine. Moskva, Izd-vo "Znanie," 1957. 23 p.  
(Vsesoiuznoe obshchestvo po rasprostraneniю politicheskikh i  
nauchnykh znaniy. Ser.4, no.29) (MIRA 10:11)  
(Military art and science)

CHERNYAYEV, Il'ya Il'ich, akademik; FAYNBOYM, I.B., redaktor; GUBIN, M.I.,  
tekhnicheskiiy redaktor.

[Pure substance] Chistoe veshchestvo. Moskva, Izd-vo "Znanie,"  
1957. 15 p. (Vsesoiuznoe obshchestvo po rasprostraneniia političeskikh i nauchnykh znanii. Ser.8, no.31) (MIRA 10:11)  
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*Forthright, 2.15*  
NOVOSILOVA, Aleksandra Vasil'yevna; ~~FAINEBOVA~~, I.B., redaktor; GUBIN, M.I.,  
tekhnicheskii redaktor.

[Rare metals and their uses] Redkie metally i ikh primeneniye.  
Moskva, Izd-vo "Znanie," 1957. 22 p. (Vsesoiuznoe obshchestvo po  
rasprostraneniyu politicheskikh i nauchnykh znaniy. Ser.4, no.20)  
(MIRA 10:11)

1. Chlen-korrespondent AN SSSR (for Novosilova).  
(Metals, Rare and minor)

ANISIMOV, Boris Ivanovich, kandidat tekhnicheskikh nauk; FAYNBOYM, I.B.,  
redaktor; GUBIN, M.I., tekhnicheskii redaktor.

[Use of radioactive isotopes in machine manufacturing] Primenenie  
radioaktivnykh izotopov v mashinostroenii. Moskva, Izd-vo "Znanie,"  
1957. 23 p. (Vsesoiuznoe obshchestvo po rasprostraneniui politicheskikh  
i nauchnykh znani. Ser.4, no.25) (MIRA 10:11)  
(Radioisotopes--Industrial application)



FAYNBOYM, I. B.

Call Nr: None given

Rozen, Boris Yakovlevich, Candidate of Chem. Sciences

Materialy neogranichennykh vozmozhnostey (Materials of Unlimited Possibilities) Moscow, Izd-vo "Znaniye" 1957. 37p. (Vsesoyuznoye obshchestvo po rasprostraneniyu politicheskikh i nauchnykh znaniy. Seriya IV, 1957, no. 19) 56,000 copies printed.

Ed.: Faynboym, I. B.; Tech. Ed.: Gubin, M. I.

PURPOSE: The purpose of this popular pamphlet is to acquaint the reader with new plastics of unusual properties which replace metals, glass, fabrics and building materials.

COVERAGE: The author attempts to give a cursory review of new plastics and other synthetic materials and discusses their uses and application. The contributions of Soviet scientists are emphasized but no names or data are given.

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Materials of Unlimited Possibilities (Cont.)      Call Nr:   None given

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FAYNBERG, I. B. (Moskva)

Atomic energy in the sixth five-year plan<sup>1)</sup>, Fiz.v shkole 17  
no.2:8-16 Mr-Ap '57. (MIRA 10:3)  
(Atomic energy)

*FAYNBOYM, I.B.*  
REBINDER, Petr Aleksandrovich, akademik; FAYNBOYM, I.B., red.; GUBIN, M.I.,  
tekh.n.red.

[Physicochemical mechanics; a new branch of science] *Fiziko-  
khimicheskaya mekhanika; novaya oblast' nauki.* Moskva, Izd-vo  
"Znanie," 1958. 63 p. (Vsesoyuznoe obshchestvo po rasprostraneniю  
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(Mechanics)